

Inventor(s):

Ludwig Angerpointner

Title:

SLIPRING UNIT WITH A PRINTED CIRCUIT BOARD**POWER OF ATTORNEY**

The specification of the above-identified patent application:



is attached hereto

was filed on February 27, 2004 as application Serial No. 10/788,544

I hereby revoke all previously granted powers of attorney in the above-identified patent application and appoint the following attorneys to prosecute said patent application and to transact all business in the Patent and Trademark Office connected therewith:

John C. Freeman (34,483)
Kent E. Genin (37,834)

The undersigned understand that the present Power of Attorney does not connote that the above-mentioned attorneys are the legal representatives of the undersigned, but merely allows the above-mentioned attorneys to prosecute and transact business in the Patent and Trademark Office connected with Application Serial No. 10/788,544

Please address all correspondence and telephone calls to John C. Freeman in care of:

Brinks Hofer Gilson & Lione
P.O. Box 10395
Chicago, IL 60610
(312) 321-4200

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from Dr. Johannes Heidenhain GmbH as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

LTN Servotechnik GmbH, a German corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:



An assignment from the inventor(s) of the patent application identified above, a copy of which is attached hereto.
OR



An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, frame _____.
OR



A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From Dr. Johannes Heidenhain GmbH To: LTN Servotechnik GmbH
The document was recorded in the Patent and Trademark Office at Reel _____, frame _____, or a copy thereof is attached.
2. From Ludwig Angerpointner To: Dr. Johannes Heidenhain GmbH
The document was recorded in the Patent and Trademark Office at Reel 012713 frames 200-202, or a copy thereof is attached.



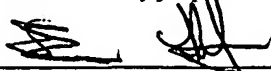
Additional documents in the chain of title are listed on a supplemental sheet.

The undersigned has reviewed the assignment or all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature



Date:

05/04/2004

Name:

Franz Stefan

Title:

Managing Director of LTN Servotechnik GmbH

ASSIGNMENT

WHEREAS, Dr. Johannes Heidenhain GmbH, hereinafter called the "Assignor", currently owns the entire right, title and interest in and to the invention described in United States Patent Application Serial No. 10/043,885, filed on January 9, 2002 and entitled SLIP RING UNIT WITH A PRINTED CIRCUIT BOARD, and in United States Continuation Patent Application Serial No. 10/788,544, filed on February 27, 2004, and entitled SLIP RING UNIT WITH A PRINTED CIRCUIT BOARD;

WHEREAS, LTN Servotechnik GmbH, a corporation organized and existing under the laws of Germany, having a place of business at Georg-Hardt-Strasse 4, D-83624 Otterfing, Germany, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent applications identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignor hereby covenants and agrees, for both the Assignor and the Assignor's legal representatives, that the Assignor will assist the Assignee in the prosecution of the patent applications identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in

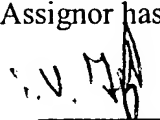
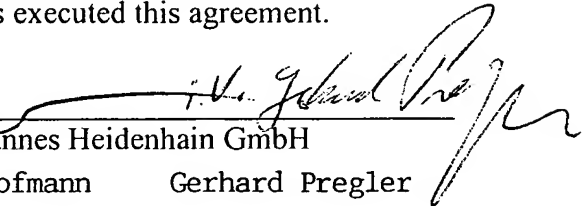
vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignor will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignor has executed this agreement.

DATED:

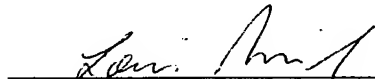
04/07/2004


Dr. Johannes Heidenhain GmbH
Ernst Hofmann 
Gerhard Pregler

WITNESSED:

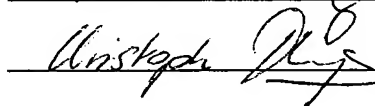
DATE:

04/01/2004



DATE:

04/01/2004





CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the below date:

Date: May 28, 2004

Name: John C. Freeman

Signature:

BRINKS
HOFER
GILSON
& LIONE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln of: Ludwig Angerpointner

U.S. Patent Application Serial
No.: 10/788,544

Art Unit: 2834

U.S. Filing
Date: February 27, 2004

For: SLIP RING UNIT WITH A PRINTED CIRCUIT BOARD

Attorney Docket No: 9743/6

Examiner: unassigned

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL

Sir:

Attached is/are:

- ☒ Power Of Attorney
☒ Return Receipt Postcard

Fee calculation:

- ☐ No additional fee is required.
☐ Small Entity.
☐ An extension fee in an amount of \$_____ for a _____-month extension of time under 37 C.F.R. § 1.136(a).
☐ A petition or processing fee in an amount of \$_____ under 37 C.F.R. § 1.17(____).
☐ An additional filing fee has been calculated as shown below:

					Small Entity			Not a Small Entity	
	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Rate	Add'l Fee	or	Rate	Add'l Fee
Total		Minus			x \$9=			x \$18=	
Indep.		Minus			x 43=			x \$86=	
First Presentation of Multiple Dep. Claim					+\$145=			+\$290=	
					Total	\$		Total	\$

Fee payment:

- ☐ A check in the amount of \$_____ to cover the filing fee is enclosed.
- ☐ Please charge Deposit Account No. 23-1925 in the amount of \$_____. A copy of this Transmittal is enclosed for this purpose.
- ☐ Payment by credit card in the amount of \$_____ (Form PTO-2038 is attached).
- ☒ The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 23-1925.

Respectfully submitted,

May 28, 2004

May 28, 2004

John C. Freeman

John C. Freeman (Reg. No. 34,483)